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CLAIMS

1. Doctor or coater blade, in particular for use as wiping, scraper and/or cleaning tool in the production of paper pulp and/or paper in different stages of the production process, consisting of an edge-provided strip of steel, the edge portion of which has been provided with a wear-resistant coating, characterized in that the edge portion of the blade is coated with a surface-reinforcing coating applied by means of laser technique, so that metallurgical binding is present between said wear-resistant coating and the steel strip, and that the edge portion has a hardness of more than 1000 HV.

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- Doctor or coater blade according to claim 1, characterized in that the wearresistant coating has a level of surface hardness of at least 850 HV.
- 3. Doctor or coater blade according to claim 1, characterized in that the edge portion of the blade has a surface layer applied by means of laser coating, the thickness of which layer constitutes 5-15 % of the thickness of the blade.
 - 4. Doctor or coater blade according to claim 1, characterized in that the edge portion of the blade has a surface-reinforcing portion applied by means of laser coating or laser impregnation, the thickness of which portion constitutes 5–15 % of the thickness of the blade.
 - 5. Doctor or coater blade according to any one of the preceding claims, characterized in that the steel is a carbon steel with a chemical composition in % by weight being 0,8–1,2 % of C, preferably about 1 % of C, 0,20–0,35 % of Si, 0,35–0,50 % of Mn, maximum 0,02 % of P, maximum 0,01 % of S, with Fe as balance and the content of some additional element in the periodic system in contents below 0,5 %.
- 6. Method for the manufacture of a doctor or coater blade according to any one of claims 1-5, characterized in that a material manufactured from steel is first rolled out and edge-treated to having an edge portion formed along one of the edges and that said edge portion then is provided with a surface-reinforcing layer applied by means of laser technique, in such a way that a metallurgical binding arises between said layer and the subjacent steel sub-

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strate, and that the edge treatment is provided in the way that the steel substrate is subjected to a laser treatment during supply of powder at such a supply of heat that the powder is fused with the steel substrate while forming an atomic/metallurgical binding.

- 7. Method for the manufacture of a doctor or coater blade according to any one of claims 1-5, characterized in that a material manufactured from steel is first rolled out and edge-treated to having an edge portion formed along one of the edges and that said edge portion then is provided with a surface-reinforcing layer applied by means of laser technique, in such a way that a metallurgical binding arises between said layer and the subjacent steel substrate, and that the edge treatment is provided in the way that the steel substrate is subjected to a laser impregnation and recovery, material particles of a ceramic material penetrating into the surface melt by means of laser, so that an atomic/metallurgical binding arises.
- 8. Method according to claims 6 or 7, characterized in that the supplied powder essentially contains aluminum oxide. 15
 - 9. Method according to claims 6 or 7, characterized in that the supplied material essentially contains stellite.
 - 10. Method according to claim 7-9, characterized in that the impregnation is carried out in the way that carbides and nitrides, such as TiC, NbC and/or TiN, are supplied to the steel substrate.
- 11. Method according to any one of claims 6-10, characterized in that the chemical composition of the steel in % by weight is 0,8-1,2 % of C, preferably about 1 % of 25 C, 0,20-0,35 % of Si, 0,35-0,50 % of Mn, maximum 0,02 % of P, maximum 0,01 % of S, with Fe as balance and the content of some additional element in the periodic system in contents below 0,5 %.
 - 12. Method according to any one of claims 6-11, characterized in that the wearresistant coating has a level of surface hardness of more than 850 HV.